

Appl. No. 09/453,908
Amdt. Dated May 23, 2005
Reply to Office action of February 23, 2005
Attorney Docket No. P13359-US1
EUS/J/P/05-3120

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a wireless communications system a method for indicating features not supported by visitor location registers comprising the steps of:
sending, from a gateway location register associated with the wireless communication system to a home location register, a message including an indication of a feature not supported by a first visitor location register for a subscriber;
sending, to the gateway location register, another message including another indication of a feature not supported by ~~another~~ a second visitor location register for the subscriber; and
determining, by the gateway location register, whether a feature ~~[[is]]~~ supported by the first visitor location register ~~which~~ is not supported by the ~~another~~ second visitor location register or whether a feature ~~[[is]]~~ supported by the ~~another~~ second visitor location register ~~which~~ is not supported by the first visitor location register.
2. (Currently Amended) The method of claim 1, wherein if the first visitor location register supports a feature not supported by the ~~another~~ second visitor location register or if the ~~another~~ second visitor location register supports a feature which is not supported by the first visitor location register, performing the step of:
sending, from the gateway location register to the home location register, a third message including a third indication, wherein the third indication implicitly indicates the feature supported by the first visitor location register for the subscriber or the feature supported by the ~~another~~ second visitor location register for the subscriber.
3. (Currently Amended) The method of claim 1, wherein the another indication of a feature not supported is empty, thereby indicating that the ~~another~~ second visitor location register supports all features for the subscriber.

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4. (Currently Amended) The method of claim 1, wherein the message including the indication of the feature not supported by the first visitor location register is sent to the home location register during a location updating message exchange.
5. (Original) The method of claim 4, wherein the location updating message exchange is initiated by the gateway location register sending a MAP_UPDATE_LOCATION message to the home location register.
6. (Original) The method of claim 2, wherein the third message is sent to the home location register during a location updating message exchange.
7. (Original) The method of claim 6, wherein the location updating message exchange is initiated by the gateway location register sending a MAP_UPDATE_LOCATION message to the home location register.
8. (Original) The method of claim 7, wherein the third message is a MAP_INSERT_SUBSCRIBER_DATA response confirmation message.
9. (Original) The method of claim 2, wherein the third message is sent to the home location register during a fault restoration message exchange.
10. (Original) The method of claim 9, wherein the fault restoration message exchange is initiated by the gateway location register sending a MAP_RESTORE_DATA message to the home location register.
11. (Original) The method of claim 10, wherein the third message is a MAP_INSERT_SUBSCRIBER_DATA response confirmation message.
12. (Original) The method of claim 2, wherein the third message is sent to the home location register in an information updating message.

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13. (Original) The method of claim 10, wherein the information updating message is a MAP_INFORMATION_UPDATE message.

14. (Currently Amended) The method of claim 1, wherein the subscriber's features include ~~is a feature selected from the group consisting of:~~

- a supplementary service;
- a regional subscription service;
- a bearer service;
- operator determined barring;
- supported CAMEL phases; or
- a teleservice.

15. (Currently Amended) The method of claim 1, further comprising the steps of:

determining whether the first visitor location register is located in an entirely restricted area or whether the ~~another~~ second visitor location register is located in the entirely restricted area; and

sending a third message including a third indication that the first visitor location register or the ~~another~~ second visitor location register is located in the entirely restricted area if it is determined that the first visitor location register or the ~~another~~ second visitor location register is located in the entirely restricted area.

16-27. (Canceled)

28. (Currently Amended) A wireless communications system which indicates features not supported by visitor location registers, the wireless communication system comprising:

a gateway location register ~~which sends~~ for sending a message including an indication of a feature not supported by a first visitor location register for a subscriber to a home location register; and

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~~another~~ a second visitor location register ~~which sends for sending~~ to the gateway location register, another message including another indication of a feature not supported by ~~another~~ the second visitor location register for the subscriber,

wherein the gateway location register determines whether a feature is supported by the first visitor location register which is not supported by the ~~another~~ second visitor location register or whether a feature is supported by the ~~another~~ second visitor location register which is not supported by the first visitor location register.

29. (Currently Amended) The system of claim 28, wherein if the first visitor location register supports a feature which is not supported by the ~~another~~ second visitor location register or if the ~~another~~ second visitor location register supports a feature which is not supported by the first visitor location register the gateway location register sends a third message to the home location register, the third message including a third indication, and the third indication implicitly indicates the feature supported by the first visitor location register or the feature supported by the ~~another~~ second visitor location register for the subscriber.

30. (Currently Amended) The system of claim 28, wherein the another indication of a feature not supported is empty, thereby indicating that the ~~another~~ second visitor location register supports all features for the subscriber.

31. (Original) The system of claim 29, wherein the third message is sent to the home location register during a location updating message exchange which is initiated by the gateway location register sending a MAP_UPDATE_LOCATION message to the home location register.

32. (Original) The system of claim 31, wherein the third message is a MAP_INSERT_SUBSCRIBER_DATA response confirmation message.

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33. (Original) The system of claim 29, wherein the third message is sent to the home location register during a fault restoration message exchange which is initiated by the gateway location register sending a MAP_RESTORE_DATA message to the home location register.

34. (Original) The system of claim 33, wherein the third message is a MAP_INSERT_SUBSCRIBER_DATA response confirmation message.

35. (Original) The system of claim 29, wherein the third message is sent to the home location register in an information updating message.

36. (Original) The system of claim 34, wherein the information updating message is a MAP_INFORMATION_UPDATE message.

37. (Currently Amended) The system of claim 28, wherein the subscriber's feature includes one or more of: ~~features is a feature selected from the group consisting of:~~

- a supplementary service;
- a regional subscription service;
- a bearer service;
- operator determined barring;
- supported CAMEL phases; or
- a teleservice.

38. (Currently Amended) The system of claim 28, wherein if it is that the first visitor location register is located in an entirely restricted area or that the ~~another~~ second visitor location register is located in the entirely restricted area, the gateway location register sends a third message including a third indication that the first visitor location register or the ~~another~~ second visitor location register is located in the entirely

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restricted area If it is determined that the first visitor location register or the ~~another~~
second visitor location register is located in the entirely restricted area.